

Anthony Pro - Human Automation Interaction in Aerospace Systems,  
Phase I

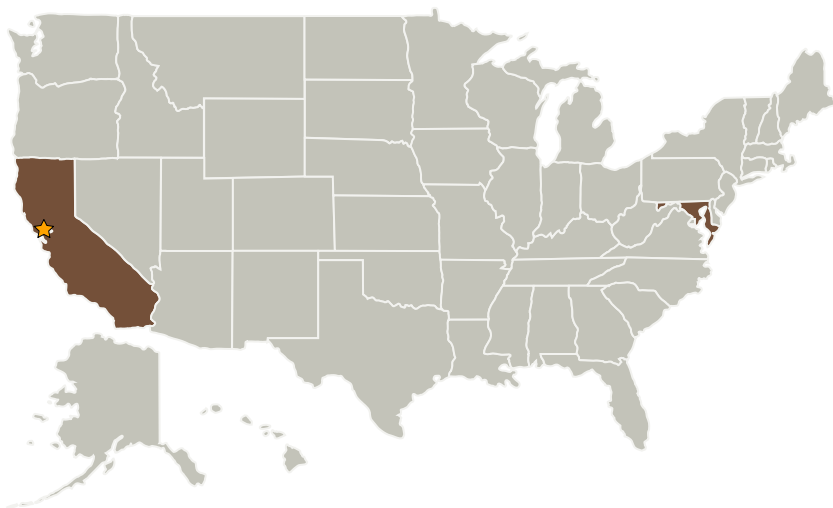
Completed Technology Project (2004 - 2004)



## Project Introduction

This proposed project aims to demonstrate the feasibility and utility of a data mining system designed to facilitate the interpretation of information obtained from distributed information sources. Each source providing data on high value data would be modeled as an information retrieval system. This approach is effective whenever several systems are available that are used by different groups to retrieve information from databases defined in the same information universe. For purposes of insuring comparability and defining a shared information universe for investigative operations, a uniform resource identifier (UFI) will be used to filter the raw data. An independent retrieval system, defined on the distributed databases of UFIs, will be implemented for the sources. The collective results of these systems will be used to determine (in real-time) a norm for any given search. This norm will then be used to identify either high-profile or unusual activities that warrant further investigation.

## Primary U.S. Work Locations and Key Partners



Organizations Performing Work	Role	Type	Location
★Ames Research Center(ARC)	Lead Organization	NASA Center	Moffett Field, California
OPTIMUS Corporation	Supporting Organization	Industry	Silver Spring, Maryland

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Organizational  
Responsibility**Responsible Mission  
Directorate:**Space Technology Mission  
Directorate (STMD)**Lead Center / Facility:**

Ames Research Center (ARC)

**Responsible Program:**Small Business Innovation  
Research/Small Business Tech  
Transfer

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## Primary U.S. Work Locations

California

Maryland

## Project Management

### Program Director:

Jason L Kessler

### Program Manager:

Carlos Torrez

### Principal Investigator:

Eric A Adolphe

## Technology Areas

### Primary:

- TX16 Air Traffic Management and Range Tracking Systems
  - └ TX16.3 Traffic Management Concepts